

DERWENT-ACC-NO: 1971-17991S

DERWENT-WEEK: 197110

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TITLE: Granular urea-phosphate complex  
fertilizer - prodn

PATENT-ASSIGNEE: MITSUBISHI CHEM IND CO LT[MITS]

PRIORITY-DATA: 1966JP-0039846 (June 21, 1966)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 71009211 B		N/A
000	N/A	

INT-CL (IPC): C05B000/00, C05C000/00 , C05D000/00 ,  
C05G000/00

ABSTRACTED-PUB-NO: JP 71009211B

BASIC-ABSTRACT:

A process for producing granular urea-ammonium phosphate complex fertilizer, which comprises granulating urea, powdery product recycle and other fertilizer components such as potassium salts and ammonium sulphate by using ammonium phosphate slurry or ammonium sulphate-phosphate slurry which is obtained by reacting phosphoric acid or phosphoric acid and sulphuric acid, an improvement characterized in that an amount of urea in the product is controlled at 3-20% (by wt.) calculated as nitrogen, 20-50% of the urea is supplied in the form of a soln. of more than 70% concentration to the slurry at 80 degrees -20 degrees C at a stage between the final reaction vessel and the granulator, to give a slurry of minimum water content. The mixture is conducted to

3-20

a granulator,  
while the remainder of the urea is supplied as powder  
together with other  
powdery material to the granulator.

TITLE-TERMS: GRANULE UREA PHOSPHATE COMPLEX FERTILISER  
PRODUCE

DERWENT-CLASS: C04

CPI-CODES: C05-A01A; C05-B02A; C05-C01; C10-A13B; C12-N09;  
C12-N10;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

K0	A940	C730	C108	C100	C316	C802	C807	C804	B720
A119	C500	C540	B815	B819	B831	B115	C017	B701	B713
L431	L432	M620	M431	P113	P111	P112	M510	M520	M530
M540	M782	R003	R031	R032	R033	R034	R036	R038	R043
M411	M416	M901							